



# भारत का राजापत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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No. 13] NEW DELHI, SATURDAY, MARCH 29, 1975 (CHAITRA, 8 1897)

इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
 Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS & DESIGNS  
Calcutta, the 29th March 1975

## CORRIGENDA

## (1)

In the Gazette of India, Part III, Section 2 dated 27-7-1974 in page 507 column 1 under the heading "Cessation of Patents".

Delete No. "104556"

## (2)

In the Gazette of India Part III, Section 2, dated the 6th October 1973, in page 519 column 1 under the heading "Application for Patents filed at the head office", after 2114/Cal/1973, Hydrowells.....Plastics and before 2115/Cal/1973, Council.....flavus

insert:— "17th September 1973".

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

20th February, 1975

325/Cal/75. V. R. N. R. Badami. A novel device of a multi-purpose permanent calendar.

326/Cal/75. Zjednoczenie Przemyslu Ceramiki Budowlanej. A method for oxidative conversion of solid fuels or other materials containing organic compounds, and apparatus for application of invented method.

327/Cal/75. Societe D'Etudes Scientifiques Industrielles De L'Ile-De-France. Process for the preparation of new heterocyclic benzamides. [Divisional date December 23, 1964].

328/Cal/75. A/S Ardal Og Sunndal Verk. Vibratory device.

329/Cal/75. J. Pfuhl, K. Pfuhl, I. Pfuhl and Kate Models Pty. Limited. Improvements relating to sewing equipment.

21st February, 1975

330/Cal/75. Standard Oil Company. Process for the production of a colorless mineral oil. [Divisional date September 1, 1972].

331/Cal/75. Compagnia Tecnica Industrie Petroli S.P.A. An improvement in the air lift fermentors.

332/Cal/75. Didier-Werke Ag. Method for treating granulate minerals with hot reaction gases as well as apparatus for practising the method.

333/Cal/75. Toshihiko Usukura. Fluid apparatus.

334/Cal/75. Hoechst Aktiengesellschaft. Dyestuff composition for the dyeing or printing of cellulose fiber materials.

335/Cal/75. Shri Suresh Chandra Das &amp; Srimati Pramila Das. Curing Jaundice dieses pando dabanol.

336/Cal/75. Cassella Farbwerke Mainkur Aktiengesellschaft. Process for the manufacture of N-benzhydryl-N'-p-hydroxybenzyl-piperazines. [Divisional date May 30, 1973].

337/Cal/75. Cassella Farbwerke Mainkur Aktiengesellschaft. Process for the manufacture of N-benzhydryl-N'-p-hydroxybenzyl-piperazines. [Divisional date May 30, 1973].

338/Cal/75. Societe D'Etudes Scientifiques Et Industrielles De L'Ile-De-France. N-(1'-allylpvrrolidinyl 2'-methyl) 2-methoxy 4, 5-azimido benzamide, its processes of preparation,

22nd February, 1975

339/Cal/75. Montedison S.P.A. Thermoplastic rubbers and process for preparing same.

340/Cal/75. Girling Limited. Improvements in or relating to internal shoe drum brakes. (February 27, 1974).

341/Cal/75. Rotaflex (Great Britain) Limited. Electrical Current supply installations. (February 27, 1974).

342/Cal/75. Rotaflex (Great Britain) Limited. Mounting and connection means for electrical appliances. (February 27, 1974).

343/Cal/74. Dunlop Limited. Improvements in multi-plate disc brakes. (February 23, 1974).

344/Cal/75. V. D. Remizov, B. D. Remizov, B. A. Perekhvatov and V. L. Vanevsky. Apparatus for artificial ventilation of lungs.

24th February, 1975

345/Cal/75. G. K. N. Group Services Limited. Improvements relating to melting metals. (February 27, 1974).

346/Cal/75. G. K. N. Group Services Limited. Improvements relating to die casting. (February 27, 1974).

347/Cal/75. Simms Group Research & Development Limited. Electromagnetic Devices. (February 26, 1974).

348/Cal/75. Dynamit Nobel Aktiengesellschaft. A process for the production of modified, partially acetalised polyvinyl alcohol films.

349/Cal/75. Hoechst Aktiengesellschaft. Process for the manufacture of a catalyst.

350/Cal/75. Hoechst Aktiengesellschaft. Process for the manufacture of a catalyst.

351/Cal/75. Hoechst Aktiengesellschaft. Process for the manufacture of a catalyst.

25th February, 1975

352/Cal/75. Luigi Pellarini. Improvements in or relating to aircraft structures. (February 26, 1974).

353/Cal/75. H. S. Gill. An aircraft.

354/Cal/75. Mitsui Toatsu Chemicals Incorporated. A process for the preparation of 5-nitro-and 6-nitro-1,4-naphthoquinone.

355/Cal/75. Societe D'Etudes Scientifiques Et Industrielles De L'Ile-De-France. New process for the preparation of 2-aminomethyl pyrrolidine.

356/Cal/75. Rohm and Haas Company. Variegated fibres, filaments and yarns.

357/Cal/75. Rohm and Haas Company. Variegated fibres, filaments and yarns.

358/Cal/75. Chloride Group Limited. Automatic electric battery charging apparatus. (February 26, 1974).

359/Cal/75. Aluminium Pechiney. A method of collecting gases from a cell of the kind used in the production of aluminium by igneous electrolysis.

360/Cal/75. International Solarthermics Corporation. Method and apparatus for collecting, storing and transmitting solar heat.

361/Cal/75. Dr. Otto Alfred Becker. Load bearing structural element. (August 29, 1974).

362/Cal/75. Indar Datta. Improvements relating to photo-lights in the studio with ordinary lamps when the electric current is controlled by the photo reactor.

26th February, 1975

763/Cal/75. Council of Scientific and Industrial Research. A process for the synthesis of substituted benzoxazine-and naphthoxazine-2-thiones.

64/Cal/75. A. Biswas and S. K. Mitra. Tensile-creep-relaxation testing machine.

65/Cal/75. Parkc, Davis & Company. Printing apparatus and method.

66/Cal/75. The Lucas Electrical Company Limited. Vehicle Lamp unit. (March 5, 1974).

67/Cal/75. The Lucas Electrical Company Limited. Lamp assembly. (March 5, 1974).

68/Cal/75. The Lucas Electrical Company Limited. Vehicle lamp assembly. (March 5, 1974).

69/Cal/75. The Lucas Electrical Company Limited. Lamp unit. (March 5, 1974).

370/Cal/75. Bayer Aktiengesellschaft. Process for the preparation of 2-nitrobenzaldehyde.

371/Cal/75. Pont-A-Mousson S.A. Casing for a machine for centrifugally casting pipes in a rotary mould.

372/Cal/75. N. V. Philips' Gloeilampenfabrieken. Plant-growth promoting which is provided with trace elements and which is suited for use in ultra-low-volume applications.

APPLICATION FOR PATENTS FILED AT THE  
(BOMBAY BRANCH)

7th February, 1975

32/Bom/75. Jayendra Jagmohan Shah. Improvements in or relating to stable composite false twist yarn.

33/Bom/75. Mrs. Chandrika Jagdishchandra Parekh. Improved pilferproof hermetically sealed packaging for wire nails, pins, staples, and the like materials and device for packaging such materials.

10th February, 1975

34/Bom/75. P. G. Bhide. A process to convert petrol engines into diesel engines.

35/Bom/75. Hoechst Pharmaceuticals Limited. A process for the preparation of N, N'-(2-aminobenzoyl)-hydrazines. [Divisional date September 14, 1973].

36/Bom/75. R. H. Agrawal. Motor vehicle air cooler.

37/Bom/75. B. S. Balwantrao. Improvement in door lock.

12th February, 1975

38/Bom/75. Hoechst Pharmaceuticals Limited. Process for preparing pharmacologically active alkaloid stepharine.

13th February, 1975

39/Bom/75. E. J. De Sousa. A ratchet type open end wrench.

14th February, 1975

40/Bom/75. Smt. Mohini M. Phadke, Smt. Uma G. Naik, Smt. Shubha S. Nayak & Smt. Mitila B. Shenoy. Three speed gear hub for bicycles.

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

7th February, 1975

14/Mas/75. A. Bala Subramaniam. Gears.

10th February, 1975

15/Mas/75. C. T. Muthukumaraswamy. Improvements in or relating to transmission fluids and methods of utilising them.

16/Mas/75. D. J. Edwin. Artificial fuel producing plant.

11th February, 1975

17/Mas/75. M. P. Rao. A roster.

18/Mas/75. K. R. Ramachandran. A device for enabling power fed to a load, from a source of alternating current, to be reduced when required.

12th February, 1975

19/Mas/75. Sahney Steel &amp; Press Works Pvt. Ltd. Uni-auto relay.

## ALTERATION OF DATE

82567. The claim to convention date 15th June, 1961 has been disallowed and the application dated as of 4th June 1962, the date of filing in India.

106826. Ante-dated to 26th November, 1964.

112712. Ante-dated to 9th December, 1966.

136909.

198/Bom/73. Ante-dated to 23rd August, 1971.

136920.

1518/Cal/73. Ante-dated to 21st October, 1971.

136922.

2471/Cal/74. Ante-dated to 17th August, 1972.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 55E.+F.

82567.

## METHOD FOR OR RELATING TO THE MANUFACTURE OF PROLONGED RELEASE PHARMACEUTICAL TABLETS.

THE WELL COME FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON, N.W.1., ENGLAND.

Application No. 82567 filed June 4, 1962.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A method for the manufacture of a prolonged release pharmaceutical tablet comprising a core containing a soluble medicament and a non-medicated inert and substantially insoluble coating portion as hereinbefore defined which covers part but not all of the surface of the medicated core, which method comprises feeding into the space between the upper and lower punch faces of a tablet compression coating machine, firstly granules of inert material as hereinbefore defined, secondly a preformed medicated core which has a raised region, thirdly more granules of

the said inert material, and then bringing the punch faces together so that the inert granules are compressed to a continuous layer around the medicated core thereby covering it except for the region where the raised region in the core meets a punch face.

CLASS 32F<sub>2</sub>A, F<sub>2</sub>C+FF<sub>2</sub>D.

82814.

PROCESS FOR PREPARING STEROID COMPOUNDS. HERCHEL SMITH OF 500 CHESTNUT LANE, WAYNE, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA. FORMERLY OF 415, BERKLEY ROAD, HAVERFORD, DELAWARE COUNTY, PENNSYLVANIA, UNITED STATES OF AMERICA.

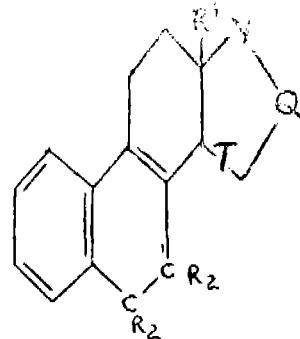
Application No. 82814 filed June 18, 1962.

Convention date June 22, 1961 (22637/61) U.K.

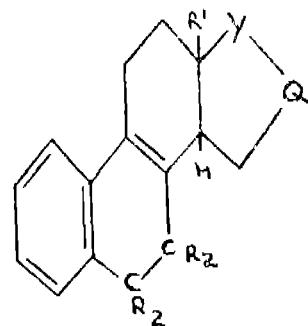
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for preparing an 8-dehydro steroid compound of structure (IV).



where each group R is hydrogen or a saturated alkyl group, R<sup>1</sup> is a saturated alkyl group Q is a methylene or ethylene group, Y is a hydroxymethylene group or a group which is a derivative of, and is convertible by a method as hereinbefore described to, a carbonyl group or a hydroxymethylene group, and the o-phenylene group can be unsubstituted or substituted by one or more groups such as hydroxy, acyloxy, alkoxy, amino, acylamino, monoalkylamino, or dialkylamino or obvious chemical equivalents thereof, in which a corresponding compound of structure (V).



where R, R<sup>1</sup> and Q are as defined above, and either Y is as defined above and T is an ethylenic bond or Y is a carbonyl group and T is a saturated linkage, is selectively reduced by hydrogenation or by treatment with a reagent for reduction of a ketone group to a carbinol without saturation of an ethylenic linkage respectively.

CLASS 189.

94762.

## DENTIFRICE PREPARATION.

COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK 22, NEW YORK, UNITED STATES OF AMERICA.

Application No. 94762 filed July 18, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.—No drawings.

A dentifrice preparation which comprises sodium monofluorophosphate and a polishing material containing at least a major proportion of dicalcium phosphate.

CLASS 32F<sub>1</sub>+F<sub>2b</sub>.

96714.

PROCESS FOR THE PREPARATION OF 3-ACYLAMIDO-5-(ARYL OR HETEROARYL)-1, 3-DIHYDRO-2H-1, 4-BENZODIAZEPIN-2-ONES.

AMERICAN HOME PRODUCTS CORPORATION, OF 685, THIRD AVENUE, NEW YORK, CITY 17, NEW YORK, UNITED STATES OF AMERICA.

Application No. 96714 filed November 26, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A process for the preparation of a 3-acylamido-5-aryl or (heteroaryl)-1, 3-dihydro-2H-1, 4-benzodiazepin-2-one in which a 2-[2-(N-acyloxy-acylamido)acetamido] phenyl (aryl or heteroaryl) ketone is reacted with ammonia under conditions sufficiently strong to form said benzodiazepin 2-one.

CLASS 32F<sub>1</sub>+F<sub>2a</sub>.

97233.

PROCESS FOR PRODUCING TRANS-STEREOISOMER OF 4-AMINO-METHYL CYCLOHEXANE-1-CARBOXYLIC ACID.

DAIICHI SEIYAKU CO., LTD, OF 2 OF 1, 3- CHOME, NIHONBASHI EDOBASHI, CHUO-KU, TOKYO, JAPAN.

Application No. 97233 filed December 30, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A process for producing trans-4-aminomethylcyclohexane-1-carboxylic acid, characterized in that trans-4-cyanocyclohexane-1-carboxylic acid or its lower alkyl ester is hydrogenated under an atmosphere of hydrogen gas in a solvent in the presence of a catalyst such as herein defined and trans-4-aminomethylcyclohexane-1-carboxylic acid is recovered from the product thus obtained.

CLASS 32F<sub>1</sub>+F<sub>2b</sub>.

106826.

PREPARATION OF 3-AMINO-5-(ARYL OR HETEROARYL)-1, 3-DIHYDRO-2H-1, 4-BENZODIAZEPIN-2-ONES.

AMERICAN HOME PRODUCTS CORPORATION OF 685, THIRD AVENUE, NEW YORK CITY 17, NEW YORK, UNITED STATES OF AMERICA.

Application No. 106826 filed August 29, 1966.

Division of Application No. 96714 filed November 26, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A process for the preparation of a 3-amino-5-(aryl or heteroaryl)-1, 3-dihydro-2H-1, 4-benzodiazepin-2-one, or an acid addition salt thereof wherein a 3-acylamido-5-(aryl or heteroaryl)-1, 3-dihydro-2H-1, 4-benzodiazepin-2-one is hydrolysed and if desired an acid addition salt formed, under acid conditions.

CLASS 32F<sub>1</sub>+F<sub>2b</sub> & 55E<sub>2</sub>+E<sub>1</sub>.

112712.

PROCESS FOR THE MANUFACTURE OF BENZHETEROCYCLIC COMPOUNDS.

CIBA OF INDIA LIMITED, OF AAREY ROAD, GOREGAON EAST, BOMBAY 62, MAHARASHTRA STATE, INDIA.

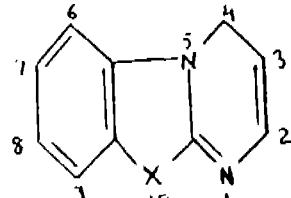
Application No. 112712 filed October 9, 1967.

Division of Application No. 108367 filed December 9, 1966.

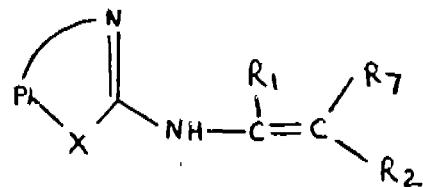
A process for the manufacture of benzheterocyclic compounds having the nucleus of the formula 1.

## 17 Claims.

A process for the manufacture of benzheterocyclic compounds having the nucleus of the formula 1.



wherein X represents an oxygen or preferably a sulphur atom and which compounds carry in the 2-position an optionally substituted ethenylamino group, the  $\beta$ -carbon of the ethenyl chain carrying a reactive functionally converted carboxyl group and a functionally converted carboxyl group or an acyl group, their oxides and salts wherein a benzheterocyclic compound containing the nucleus of the formula 1X.



wherein X stands for oxygen or preferably sulfure, and in which the 2-position carries a primary amino group, or a tautomer thereof is reacted with a carbonyl compound bearing on the carbonyl carbon a methyl group which carries a reactive functionally converted carboxyl group and a free or functionally converted carboxyl group or an acyl group, or with a corresponding enol derivative thereof, or with a reactive functionally converted carboxylic acid and a functionally converted glyoxylic acid substituted by a free or functionally converted carboxyl group or an acyl group.

CLASS 32F<sub>1</sub>.

113601.

PROCESS FOR THE MANUFACTURE OF CHLORAL.  
VEB ELEKTROCHEMISCHES KOMBINAT BITTERFIELD, OF 44 BITTERFIELD, GERMAN DEMOCRATIC REPUBLIC.

Application No. 113601 filed December 14, 1967.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.—No drawings.

Process for the manufacture of chloral by the well known chlorination process wherein ethyl alcohol and/or ethyl alcohol acetaldehyde mixture is first pre-chlorinated and then the chlorination completed followed by recovery of chloral by distillation in a distillation column characterised in that the bottom or trough product obtained from the distillation column is re-introduced into the process sequence before the final chlorination of the pre-chlorinated product and the top-product is dehydrated in a special column by sulphuric acid in parallel flow.

CLASS 32F<sub>1</sub>.

121010.

A PROCESS FOR THE PRODUCTION OF  $\gamma$ -CHLOROACETOACETIC ACID ESTERS.

IONZA LTD., 38, MUNCHENSTEINERSTRASSE, BASEL, SWITZERLAND.

Application No. 121010 filed April 21, 1969.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.—No drawings.

A process for the production of esters of  $\gamma$ -chloroacetoacetic acid, wherein diketene and chlorine are reacted in a first stage to form  $\gamma$ -chloroacetoacetic acid chloride and, in a second stage, the  $\gamma$ -chloroacetoacetic acid chloride is esterified with an alcohol, such as herein described, each stage being carried out at a temperature in the range from  $-10$  to  $30^{\circ}\text{C}$  in a reaction medium comprising a solvent, such as herein described, inert to chlorine, and the alcohol employed in the second stage being introduced at such a rate that it is immediately consumed, without ever being present in a large excess.

CLASS 32F<sub>4</sub>+F<sub>9</sub>b.

132285.

## PROCESS FOR PREPARATION OF CEPHALOSPORIN DERIVATIVES.

TAKEDA CHEMICAL INDUSTRIES, LTD., OF 27, DOSHO-MACHI-2-CHOME, HIGASHI-KU, OSAKA, JAPAN.

Application No. 132285 filed July 28, 1971.

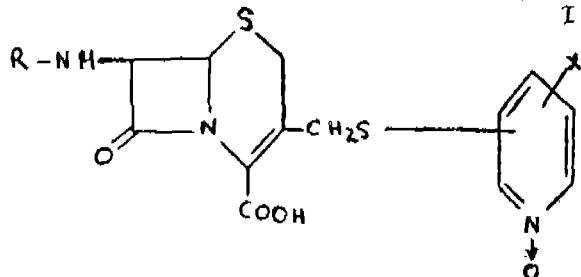
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Process for producing a compound of formula 1.

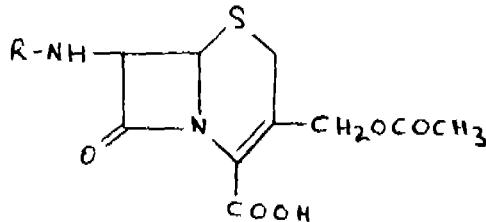
132285

I

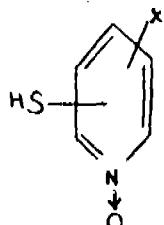


wherein R is hydrogen or an acyl group X is hydrogen or halogen or a salt thereof which comprises

reacting a compound of formula II.



wherein R is hydrogen or an acyl group; or a salt thereof, with a compound of the formula III.



wherein X is hydrogen or a halogen; or a salt thereof; and when compound of formula I is obtained in which R is an acyl group and X is as defined above, further comprises deacylating the said compound of formula I in which R is an acyl group and X is as defined above by method as herein defined to obtain compound of formula I in which R is hydrogen and X is as defined above;

and when compound of formula I is obtained in which R is hydrogen and X is as defined above, further comprising acylating the said compound of formula I in which R is hydrogen and X is as defined above by methods such as herein defined to obtain compound of formula I in which R is an acyl group and X is as defined above.

CLASS 27B.

133583

## IMPROVEMENTS IN OR RELATING TO STRUCTURES.

VANUGOPAL VIJAYKUMAR, C/O, THE STANDARD TILE &amp; CLAY WORKS (P) LTD., FEROKE, KERALA, INDIA.

Application No. 133583 filed November 11, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

A method of constructing an improved arched structure characterised by bonding together tapering, perforated bricks so as to form a plurality of arches built up from abase of support, the arches being disposed in close contact with, and bonded to, each other in either, or both, of the following two formations, that is to say, firstly with the arches juxtaposed so as to give rise to a multiple arch formation in the same line and, secondly, with the arches disposed in staggered relationship, the arrangement being such that the space below the arches is capable of being utilised for providing a plurality of rooms inter-communicating with each other.

CLASS 172B+D<sub>9</sub>+D<sub>9</sub>.

136895.

## STOP MOTION DEVICE FOR A SPINNING MACHINE.

THE TEXTILE AND ALLIED INDUSTRIES RESEARCH ORGANISATION, OF KALA BHAVAN PREMISES, BARODA-1, GUJARAT, INDIA.

Application No. 122/Bom/72 filed December 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A stop motion device for a spinning machine, particularly an open end spinning machine, comprising a lever referred to as inclined lever, a switch operating lever, a lever supporting the switch operating lever and a link arm linking the inclined lever and the support lever; the switch operating lever normally, i.e. in the working state of the spinning machine being supported by the support lever, adapted to keep motor switch in 'ON' position; by pressing on a push button; the inclined lever being kept in the inclined (or raised) position by yarn (which is being wound) passed under a yarn guide near the upper end of the inclined lever; the link arm linking the inclined lever near its lower end and the support lever at the other end; the support lever being adapted to be pulled from under the switch operating lever when the inclined lever is no longer in the raised position, e.g. when it is no longer supported by the yarn; the switch operating lever adapted, when unsupported by the support lever, to be tripped from its position of keeping the switch of the motor in 'ON' position and thereby shut the motor "OFF".

CLASS 61-H.

136896.

## APPARATUS FOR DRYING A MOVING WEB OF DAMP MATERIAL.

OMNIUM DE PROSPECTIVE INDUSTRIELLE, OF 02100 NEUVILLE SAINT-AMAND, FRANCE.

Application No. 153/Cal/73 filed January 22, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

Apparatus for drying a moving web of damp material comprising a distribution chamber through which the web to be dried passes and which is adapted to be maintained under pressure, the said chamber having means for receiving a compressed gas, and an input passage and an output passage for the web, each passage consisting of a slot.

CLASS 146D<sub>1</sub>.

136897.

AN IMPROVED PHOTOMETRIC ANALYZER OF ROTARY CUVEtte TYPE.

UNITED STATES ATOMIC ENERGY COMMISSION, OF WASHINGTON, DISTRICT OF COLUMBIA 20545, UNITED STATES OF AMERICA.

Application No. 1896/72 filed November 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A photometric solution analyzer comprising a loading disk centrally disposed within a cuvette rotor housing an annular array of sample analysis cuvettes for supplying mixtures of samples and reagents to said cuvettes, wherein the loading disk comprises a generally disk-shaped member defining :

An annular array of receiving chambers adapted to receive and retain liquid samples and reactants when said loading disk is rotated;

an annular array of mixing chambers disposed radially outward from said receiving chambers on radii positioned angularly intermediate said receiving chambers;

a multiplicity of first passageways connecting, in parallel, pairs of said receiving chambers with respective mixing chambers; and

a multiplicity of second passageways connecting said mixing chambers with respective sample analysis cuvettes in said cuvette rotor.

CLASS 63—I, 69D &amp; 133A.

136898.

ELECTRODYNAMIC SPEED SENSITIVE SWITCH.

SHRI RAM PANDURANG BAPAT, 1707-B, JOSHI WADA, SADASHIV PETH, POONA-30 MAHARASHTRA STATE, INDIA.

Application No 27/Bom/72 filed September 26, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

A electrodynamic switch comprises a housing in two parts, one driving end body part and other non driving end body part with a kidney shaped opening in it, a magnetic rotor and a metallic stator mounted axially and facing each other inside the housing, a probe mounted on the metallic stator and protruding through the kidney shaped opening to engage a spring outside the housing, which spring is adapted to operate an electrical switch, characterised in that when the magnetic rotor rotates it induces an eddy current and develops an electromagnetic torque in the stator causing it to rotate with the probe to press the spring, which in turn, through a switch opens and closes the circuit of an electric motor to which the electrodynamic speed sensitive switch is connected.

CLASS 32E, 40C &amp; 152E.

136899.

A PROCESS FOR THE PRODUCTION OF ACRYLIC COPOLYMER EMULSION AS A BASE COAT RESIN FOR FINISHING OF LEATHERS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 606/72 filed June 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.—No drawings.

A process for the production of an acrylic copolymer emulsion dilutable with water and possessing good binding capacity with pigment to leather surface giving highly flexible and moderately tacky surface which consists in copolymerising a mixture of methyl methacrylate 18%, ethyl

acrylate 64%, butyl acrylate 16% and acrolein 2% which has an average glass transition temperature of  $-6.7^{\circ}\text{C}$ , using an equal proportion of anionic emulsifier of the type fatty alkyl sulphate and a non-ionic emulsifier of the type ethylene dioxide condensate as emulsifiers and the reaction is carried out at a temperature of  $65\pm2^{\circ}\text{C}$  over a period of  $1\frac{1}{2}$  to 2 hours.

CLASS 13A.

136900.

MOISTURE-TIGHT PLASTIC BAG.

WAVIN B. V., OF 251, HANDELLAAN, ZWOLLE, THE NETHERLANDS.

Application No. 1751/Cal/73 filed July 28, 1973.

Convention date May 18, 1973/(23740/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Plastic bag with a square bottom, comprising a tubular foil of thermoplastic material, the tubular foil being provided at least at one end with two longitudinal incisions, extending parallelly to the longitudinal edges of the flattened tube while forming the two bottom flaps and a first and second corner flap, the first and second corner flap, together with the bottom flaps, being folded about a folding line which extends from the ends of the longitudinal incisions, the bottom flaps being subsequently folded about a folding line which extends in the area next to the end of the longitudinal incisions, said ends being aligned which line is substantially perpendicular to the longitudinal edges of the tubular foil, while forming two angular bottom points, the bottom flaps and the second corner flap being interconnected by at least one transverse sealed joint, perpendicular to the folding lines and extending preferably in the proximity of an end edge of each bottom flap, wherein at least one substantially continuous transverse sealed joint is present extending in a flattened bottom from the first folding line of a corner flap to the second folding line of the same corner flap thereby contacting the two overlapping bottom flaps with all underlying foil layers belonging to said corner flap by heat sealing.

CLASS 24D<sub>1</sub>+D<sub>2</sub>+D<sub>4</sub>.

136901.

AIR HYDRAULIC PARKING EMERGENCY BRAKE CONTROL SYSTEM.

THE BENDIX CORPORATION, OF 401 NORTH BENDIX DRIVE, SOUTH BEND, INDIANA, UNITED STATES OF AMERICA.

Application No. 2048/72 filed December 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A control system for developing hydraulic pressure to release the spring-actuated brakes of a vehicle having spring-actuated, hydraulically released brakes and a source of air pressure, said control system comprising a fluid reservoir, fluid pressure developing means having a pressure chamber communicated to said reservoir, said fluid pressure developing means being responsive to said air pressure source to sequentially terminate fluid communication between the reservoir and the pressure chamber and thereafter pressurizing the fluid in said chamber, and operator-operated valve means shiftable from a first position terminating communication between the air pressure source and said fluid pressure developing means and venting said spring-actuated brakes to said reservoir to a second position communicating said air pressure source to said fluid pressure developing means and permitting fluid communication in the reverse direction from the brakes to the pressure chamber.

CLASS 116G.

136902.

ARRANGEMENT FOR SELECTIVE DISCHARGE OF SOLID MATERIALS FROM HOPPERS ETC.

ELKEM-SPIGERVERKET A/S, OF ELKEMHUSET, MIDDELTHUNS GATE 27, OSLO 3, NORWAY.

Application No. 613/Cal/73 filed March 19, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A hopper arrangement provided with means for the selective discharge of material through a discharge opening of the hopper, in which arrangement a vertical partition wall divides the hopper interior into two parts, namely a reservoir part and a transit part, the lower edge of the partition wall being at a level above that of the discharge opening, and in which the transit part has an open bottom which is located immediately above the discharge opening and is equal or approximately equal in area to the discharge opening, the arrangement being such that any material contained in the transit part will be automatically discharged and the transit part completely emptied before the discharge of material from the reservoir part through the discharge opening starts or restarts.

CLASS 32F<sub>2</sub>a.

136903.

A PROCESS FOR THE PREPARATION OF DL-THREO-1-(P-NITRO-PHENYL)-2-ACETAMINO-1, 3-PROPANEDIOL.

EGYPT GYOGYSZERVEGYESZETI GYAR, OF 30-38 KFRESZTURI UT, BUDAPEST X, HUNGARY.

Application No. 1090/Cal/73 filed May 9, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.—No drawings.

A process for the preparation of DL-threo-1-(p-nitrophenyl)-2-acetamino-1, 3-propanediol from the isopropanol solution of DL-threo-1-(p-nitrophenyl)-2-acetamino-1, 3-propanediol-aluminummalcololate compounds formed in the Meerwein-Ponndorf-Verley reduction of p-nitro- $\alpha$ -acetamino- $\beta$ -hydroxy propiophenon, via aqueous or aqueous-mineral acidic hydrolysis, evaporation and removal of the aluminium salt, in which prior to or simultaneously with the separation of isopropanol the aluminium alcoholates formed in the reduction are hydrolyzed in the presence of the calculated amount or less, but not lower than 70% of water, water vapour or of an equivalent amount of aqueous mineral acid solution, isopropanol is distilled out continuously, the powdery mixture of DL-threo-1-(p-nitrophenyl)-2-acetamino-1, 3-propanediol and aluminium oxide is treated with an aqueous solution of an alkali metal hydroxide and alkali metal carbonate to remove aluminium oxide in the form of a basic alkali metal aluminium carbonate from the powdery mixture of DL-threo-1-(p-nitrophenyl)-2-acetamino-1, 3-propanediol and aluminium oxide and optionally the hydrolysis is completed in this double salt-forming step, and the DL-threo-1-(p-nitrophenyl)-2-acetamino-1, 3-propanediol is separated.

CLASS 85C+G.

136904.

IMPROVEMENTS IN OR RELATING TO FURNACE.

STEIN SURFACE, ZONE, D'ACTIVITE INDUSTRIELLE DU BOIS DE L'EPINE, COURRIER D'ENTREPRISE NO. 1107, 91015 EVRY, FRANCE.

Application No. 1220/Cal/73 filed May 24, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Furnace comprising a preheating zone and a rapid heating zone and mobile longitudinal members so that the products to be heated and located in the two zones can be fed forwards at different speeds, characterised in that between these two zones the furnace has an intermediate zone connected to the outlet from auxiliary burners and into which it is therefore possible to introduce the smoke.

CLASS 119D.

136905.

A DEVICE FOR INTERMITTENTLY SUPPLYING MEASURED WEFT YARN LENGTHS TO THE WEFT INSERTING DEVICE OF A SHUTTLELESS WEAVING MACHINE.

RUTI-TE STRAKE B.V., OF INDUSTRIEWEG 7, DEURNE, THE NETHERLANDS.

Application No. 1519/Cal/73 filed June 28, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A device for intermittently supplying measured weft yarn lengths from a stationary yarn package to the weft inserting device of a shuttleless weaving machine, comprising a measuring roller adapted to receive a number of windings of the yarn taken from the yarn package, said roller being mounted between the yarn package and the weft inserting device and driven by an electromotor, means being provided for effecting frictional contact between the measuring roller and the yarn windings encircling it, which means comprise a yarn brake provided at the entrance side of the measuring roller, characterized by

an electromotor of the quick response type, connected in a control circuit, which is intermittently energized in correspondence with the weft insertion frequency, the means for effecting the frictional contact between the yarn and the measuring roller comprising at the delivery side of the roller a continuously energized tensioning injector.

CLASS 83A<sub>1</sub>+A<sub>2</sub>.

136906.

PROCESS FOR PREPARING AN EXPANDED FOOD PRODUCT.

NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS.

Application No. 2404/Cal/73 filed October 31, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.—No drawings.

A process for preparing an expanded porous food product having a meat-like flavour, which comprises forming a mixture comprising (a) a finely divided food material, (b) at least one pentose or hexose, (c) at least one sulphur-containing amino acid or an amino-acid and a substance containing sulphur, and (d) water, the mixture containing from 18 to 45% by weight of water, heating the mixture to a temperature of at least 150°C under a pressure which is at least equal to the saturated vapour pressure of water at the temperature to which the mixture is heated, and thereafter rapidly reducing the pressure to which the mixture is subjected to vaporise the major proportion of the water contained in the mixture thereby forming an expanded porous structure in its interior.

CLASS 14A<sub>2</sub>.

136907.

IMPROVEMENTS IN OR RELATING TO ELECTRICAL STORAGE BATTERIES.

ELECTRIC POWER STORAGE LIMITED, OF CLIFTON JUNCTION, SWINTON, MANCHESTER, LANCASHIRE, ENGLAND.

Application No. 136/72 filed May 5, 1972.

Conversion date May 11, 1971 (14258/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims.

An assembly of positive and negative lead acid electric storage battery electrodes characterised in that the active material of the positive electrodes has a porosity of at least 50% (as defined herein), and contains 0.01% to 1% of siliceous material (calculated as SiO<sub>2</sub>) and the active material of the negative electrodes contains at least 0.1% by weight of lignin derived lignosulphonate material, based on the lead content (calculated as PbO) of the negative active material, the said lignin derived lignosulphonate material being substantially free from interfering metal ions.

CLASS 172E.

136908.

APPARATUS FOR CONTINUOUSLY WINDING THREADS ON A TUBE.

SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF 8070 INGOLSTADT, FRIEDRICH-EBERT-STRASSE 84, WEST GERMANY.

Application No. 24/Cal/73 filed January 3, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An apparatus for continuously winding a thread on a tube including a tube-carrier and a thread-catching device arranged on the tube-carrier adjacent one end of the tube, the diameter of the thread-catching device being not less than the outer diameter of the tube.

CLASS 127C.

136909.

METHOD OF MAKING POWER TRANSMISSION ENDLESS BELTS,

VASANT ENGINEERING LTD., OF SHREE YAMUNA MILLS ROAD, PRATAPNAGAR, BARODA-4, (GUJARAT STATE), INDIA.

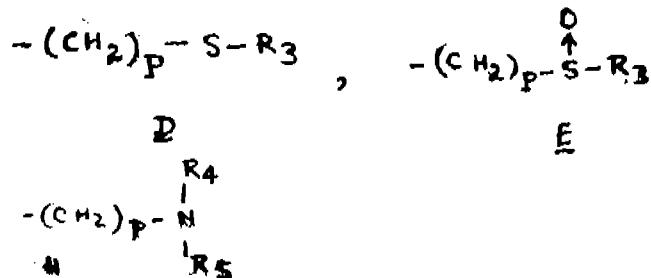
Application No. 198/Bom/73 filed June 6, 1973.

Division of Application No. 132617 filed August 23, 1971.

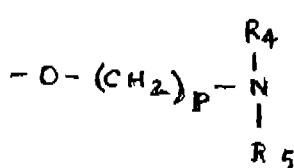
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

Method of making a power transmission endless belt of poly-V type which comprises a load bearing member of low stretch textile such as synthetic cord such as spirally wound cord, having teeth of an elastomeric material such as rubber or synthetic rubber, extending longitudinally along one face of the belt at pre-determined distances from each other across the width of the belt, the other face of the load bearing member having a backing of rubberised fabric; the teeth being covered by fabric of hard wearing synthetic plastics like nylon; said teeth adapted to, during use, mesh with complimentary teeth or serrations on pulleys over and around which said belt is stretched, said teeth giving multi-V transverse section to the belt, comprising stretching a fabric of hard wearing synthetic plastics over a collapsible wheel having endless serrations along its circular surface including the grooves across its entire width at predetermined intervals, inserting wedges of elastomeric material into the grooves over which the fabric stretches, bonding together edges of said wedges, spreading over this assembly longitudinally extending synthetic cord such as spirally wound cord and covering the cord with rubberised fabric, heat pressing the final assembly, collapsing the wheel and collecting the finished belt.



wherein p is an integer from 2 to 4 inclusive, q is an integer from 3 to 6, inclusive,  $R_3$  is an alkyl group having from 1 to 3 carbon atoms,  $R_4$  is selected from the group consisting of hydrogen and lower alkyl,  $R_5$  is selected from the group consisting of hydrogen and loweralkyl, and  $R_4$  and  $R_5$  taken together with the Nitrogen is selected from the group consisting of pyrrolidino, piperidino and morpholino.  $R_3$  is selected from the group consisting of hydroxy, alkoxy having 1 to 4 carbon atoms, pyridoxy 2, 2, 2-trichloroethoxy a moiety of the formula J.



CLASS 32F, F<sub>2</sub> & F<sub>4d</sub>.

136910.

A PROCESS FOR PREPARING DERIVATIVES OF 9-OXO-13-TRANS-PROSTENOIC ACID ESTERS.

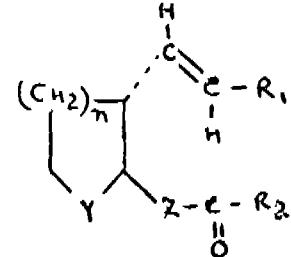
AMERICAN CYANAMID COMPANY, OF WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 253/72 filed May 19, 1972.

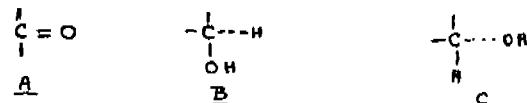
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

3 Claims.

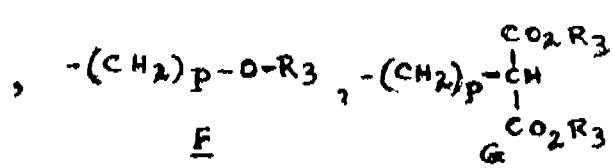
A process of preparing a compound of the formula 1.



and non toxic pharmaceutically acceptable salts thereof, wherein n is an integer from 1 to 2, inclusive; Y is a divalent radical selected from the group consisting of those of the formulae, A, B and C.



R<sub>1</sub> is selected from the group consisting of a straight chain alkyl group having from 3 to 10 carbon atoms, a straight chain alkyl group having from 2 to 6 carbon atoms and having one branched methyl group a straight chain alkenyl group having from 3 to 6 carbon atoms, a straight chain  $\omega$ -haloalkyl group having from 3 to 6 carbon atoms, a straight chain  $\omega$ -mercaptoalkyl group having from 3 to 6 carbon atoms, a straight chain  $\omega$ -carboxyalkyl group having from 3 to 6 carbon atoms and moieties of the formula D, E, F, G and H.



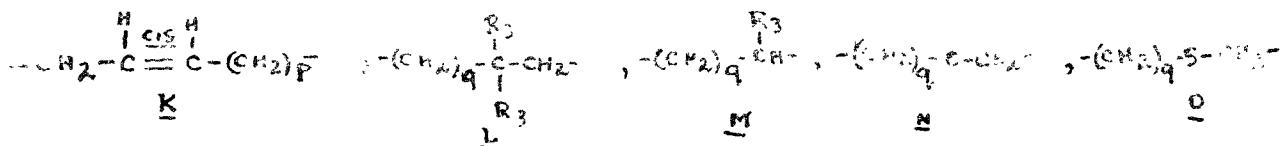
wherein p, R<sub>1</sub> and R<sub>3</sub> are as hereinabove defined; and a moiety of the formula :



wherein R<sub>6</sub> is selected from the group consisting of hydrogen lower alkyl, lower alkenyl, lower alkynyl, cyclohexyl, phenyl lower alkyl and  $\omega$ -hydroxy lower alkyl and R<sub>7</sub> is selected from the group consisting of hydrogen, lower alkyl, hydroxy,  $\omega$ -di(lower alkyl) amino lower alkyl lower alkenyl, lower alkynyl, cyclohexyl, phenyl, trifluoromethylphenyl, di(lower alkyl) aminophenyl, chlorophenyl, lower alkylphenyl, pyridyl, phenyl lower alkyl, pyridyl lower alkyl,  $\omega$ -hydroxy lower alkyl,  $\omega$ -lower alkoxy lower alkyl,  $\omega$ -di(lower alkyl)

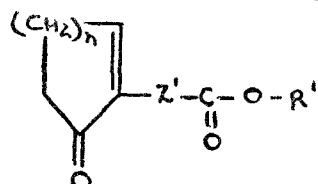
amino lower alkyl,  $\omega$ -piperidino lower alkyl  $\omega$ -pyrrolidino lower alkyl,  $\omega$ -morpholino lower alkyl amino, di(lower alkyl) amino, N-piperidyl, N-hexamethyleneimino, N-morpholino-N-anilino and 4-lower alkyl-1-piperazino, and R<sub>1</sub> and R<sub>2</sub> taken together with the associated Nitrogen is selected from the group consisting of pyrrolidino piperidino, morpho-

lino, hexamethyleneimino, 4-phenyl-piperidino, 4-lower alkyl-1-piperazino, 4-phenylpiperazino, 3-pyrrolidyl,  $\Delta$  3-piperidino, 3-azabicyclo [3.2.2] nonyl, N, N'-bis di(lower-alkyl) aminophenylureido and 4, 4-spirocyclohexylpiperidyl; and Z is divalent radical selected from the group consisting of those of the formulae J', K, L, M, N and O.

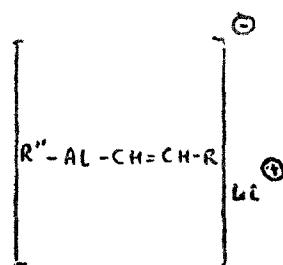


wherein m is an integer from 1 to 8 inclusive, and p, q and R<sub>1</sub> are as hereinabove defined; and the pharmaceutically acceptable cationic salts thereof when R<sub>1</sub> is an  $\omega$ -carboxyalkyl group and when R<sub>2</sub> is hydroxy and the pharmaceutically acceptable salts thereof when R<sub>1</sub> and/or R<sub>2</sub> contains one or more basic nitrogen atoms, characterized by:

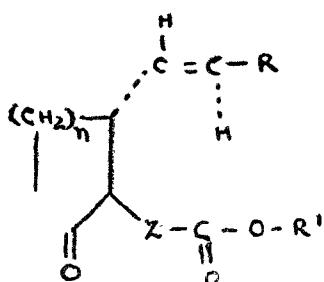
(a) contacting a compound of the formula 11.



wherein n is an integer from 1 to 2 inclusive, R' is an alkyl group and Z' is a divalent radical of the formulae: P, L, M, N and O wherein m, p, q and R<sub>1</sub> are as hereinabove defined with a reagent of the formula III.



wherein R'' is an alkyl group having from one to six carbon atoms, inclusive and R is selected from the group consisting of a straight chain alkyl group having from 3 to 10 carbon atoms, a straight chain alkyl group having from 2 to 6 carbon atoms and having one branched methyl group, a straight chain alkenyl group having from 3 to 6 carbon atoms and a straight chain  $\omega$ -chloroalkyl group having from 3 to 6 carbon atoms; in an inert solvent and hydrolyzing by known methods the so-formed alaate enolate adduct and recovering a product of the Formula IV.



wherein n, Z', R and R' are as hereinbefore defined; and (b) converting the above-described product of formula IV, wherein Z' is replaced by Z, to a product wherein R includes a straight chain  $\omega$ -haloalkyl group having from 3 to 6 carbon atoms, a straight chain  $\omega$ -mercaptoalkyl group having from 3 to 6 carbon atoms a straight chain  $\omega$ -carboxyalkyl group having from 3 to 6 carbon atoms and moieties of the formula D, E, F, G and H wherein p, R<sub>1</sub>, R<sub>2</sub> and q are as hereinabove described; and (c) hydrolyzing by known methods the esters to the corresponding carboxylic acids; and (d)

converting by known methods the thus formed carboxylic acids or the precursor esters to the compounds of formula 1 wherein R<sub>2</sub> is as defined in formula 1 except that it is not hydroxyl and (e) transforming the obtained 9-ketones to the corresponding 9 $\alpha$  and/or 9 $\beta$ -hydroxy derivatives thereof by usual methods and if desired, forming by method known per se the non toxic pharmaceutically acceptable cationic or anion salts of the compound prepared alone.

CLASS 163D & 174F.

136911.

HYDRAULIC SYSTEMS AND MORE PARTICULARLY TO THE ATTENUATION OF PRESSURE PULSATION IN HYDRAULIC CIRCUITS.

DEERE & COMPANY, OF MOLINE, ILLINOIS, UNITED STATES OF AMERICA.

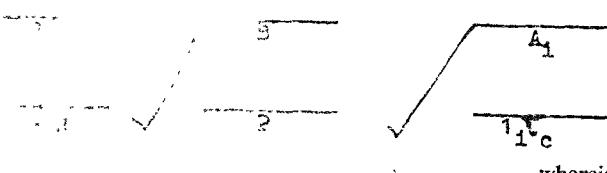
Application No. 1370/72 filed September 8, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

In a hydraulic system including a pump for delivering fluid under pressure to a hydraulic function, attenuation means for dampening hydraulic fluid pulsations created by the pump, the attenuation means comprising: an attenuator chamber, an inlet passage interconnecting the pump and attenuator chamber, and an outlet line interconnecting the attenuator chamber and function, the attenuator chamber and inlet passage being related substantially according to the equation for obtaining the minimum pulsation frequency where:

$$W =$$



wherein

W = the anticipated minimum pulsation frequency in cycles/sec. at which attenuation is desired;

A<sub>1</sub> = the cross-sectional area of the inlet passage between the pump and chamber in such square.

l<sub>1</sub> = the length of the inlet passage between the pump and chamber in in.

V<sub>c</sub> = the volume of the attenuator chamber in in.

B = the bulk modulus of the hydraulic fluid in lbs./in.<sup>2</sup>, and

P = the mass density of the hydraulic fluid in lbs. sec.<sup>2</sup>/in.<sup>4</sup>.

## CLASS 126B.

136912.

AN ARRANGEMENT FOR THE SEISMIC EXPLORATION OF A MEDIUM, SUCH AS EARTH, BY TRANSMITTING THEREINTO MECHANICAL ENERGY SIGNALS.

SOCIETE NATIONALE DES PETROLES D'AQUITAINE, OF TOUR AQUITAINE, 92-COURBEVOIE, FRANCE.

Application No. 541/72 filed June 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

An arrangement for the seismic exploration of a medium, such as the earth, by transmitting thereinto mechanical energy signals, comprising:—

a plurality of emission sources spaced from each other and located at the surface or near the surface of the medium to be explored, each of said emission sources when being actuated transmitting into the said medium a series of separate energy impulses of substantially uniform amplitude,

at least one receiver system disposed at the surface of the medium and remote from at least one emission source to detect and record the signal's transmitted through the medium and reflected on at least one reflector,

a programmat or controlling the actuation of the emission sources according to an emission pattern predetermined such that the autocorrelation function of the series of impulses emitted from any given emission source of the plurality of emission sources presents correlation residues lower than a given fraction of its maximum amplitude and that the inter-correlation function of the series of impulses from all of the emission sources with the series of impulses from said given emission source presents secondary residues the amplitude of which is approximately the same given fraction of the maximum amplitude of the intercorrelation function, and optionally, a correlator receiving the signals recorded by the receiver system and a reference of the signal emitted by each emission source and producing the cross-correlation function of these signals versus time from the position of the maxima of which the travel times of the waves are determined.

## CLASS 134D.

136913.

## A STEERING MECHANISM FOR TOYS.

DEBABRATA GOSWAMI, OF ASSAM ENGINEERING COLLEGE CAMPS, P.O. JALUKBARI, GAUHATI-13, ASSAM, INDIA.

Application No. 869/72 filed July 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A steering mechanism adapted for use in particular to toys, comprising a feeler rod mounted by two sliding guides welded or integral with to the body of the toy having a roller at one end and a stop at the other end such that the feeler rod does not slide out of the sliding guides is further welded or integral with a cross rod in between the two sliding guides which cross rod is connected with a tie rod by means of a tie rod guide which tie rod in turn is pivotally connected to the steering wheels by means of steering arms and stub axles, further a compression spring is mounted on the feeler rod in between the cross rod and the sliding guide such that it exerts pressure on the cross rod thus possessing a tendency to turn the toy towards the direction where the feeler roller is located, characterised in that when the toy is set to motion due to the action of the spring, the toy moves in a circular direction, but if any solid objects are placed along the path of movement of the

toy where the feeler roller counter acts with the solid object, the tendency of the toy is to collide with the solid object and follow the contour of the solid object.

CLASS 155F<sub>2</sub>.

136914.

IMPROVEMENT IN AND/OR RELATING TO WOOD PRESERVATION.

YUTAKA AOKI, OF NO. 15-4, 4-CHOME, SHIROKANE, MINATO-KU, TOKYO, JAPAN.

Application No. 891/72 filed July 18, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A method of preserving wood which comprises barking the trimmed raw wood, treating the said wood with an anti-oxidant, insectproofing agent antiseptic agents and thereafter coating the so treated wood in an air tight manner with an aluminium foil.

## CLASS 194C.

136915.

MULTI-BEAM CATHODE RAY TUBE CONSTRUCTION.

DR. ADRIAN WILLIAM STANDAART, OF 5 BON-BROOK CIRCLE, WINSTON SALEM, NORTH CAROLINA, UNITED STATES OF AMERICA.

Application No. 1190/72 filed August 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A multi-beam cathode ray tube construction for producing a matrix display pattern from plural electron beams arranged in plural rows and plural columns to generate display images of alpha-numeric characters formed from spot elements of the matrix pattern, comprising a glass envelope including an elongated generally cylindrical neck section and a face plate section jointed thereto having a phosphor target; a single electron gun within the rear region of said neck section including a cathode for emitting electrons, beam control and shaping perforate electrodes having plural rows of plural holes for controlling and shaping the electrons emitted by said cathode into plural rows of plural beams to form the matrix pattern, each of said holes being lined with conductive material connected by conductor strips to terminals for applying selected potentials to the lining material; and an accelerating anode for accelerating the electrons in said beams toward the target to form a spot image on the target for each of the beams, said cathode comprising a pair of joined metallic sheet members each having a plurality of outwardly projecting truncated V-shaped formations collectively defining plural six-sided channels of substantially honeycomb configuration in side elevation defining plural faces in a single plane spanning the width of the cathode in parallel respectively aligned relation with the rows of holes and beams, the channels housing coiled filament wire along the length thereof closely conforming to the cross-section of said channels, and said flat faces each having a coating of electron emission material which is thermally activated to emit electrons to form said beams.

## CLASS 64B.

136916.

ELECTRIC WIRING CONNECTING DEVICE AND METHOD OF FITTING AN ELECTRIC WIRING CONNECTOR.

JACQUES GRILLET, OF 4, PLACE BIR HAKEI, GRENOBLE, ISERE, FRANCE.

Application No. 1230/72 filed August 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

Electric wiring connecting device characterised in that it comprises in combination a strap-shaped metal strip and a substantially U-shaped shallower clamping member of harder metal which is slidably fitted in said strap and secured thereto through any suitable means, the two side walls of the said clamping member being engaged by the wings of the said strap and the upper portion of the said wings being

cut off flush to the aforesaid clamping member, the upper edges of said clamping member acting as counter blades for facilitating the cutting off.

CLASS 146D.

136917.

## OVERHEAD PROJECTOR.

JAWAHARLAL SHARMA, OF C-4/23 PHAGLEE, SIMLA, HIMACHAL PRADESH, INDIA, MR. SURENDRA KUMAR VASIL, OF A-45, DEFENCE COLONY, NEW DELHI-24, INDIA.

Application No. 1480/72 filed September 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 9 Claims.

An overhead projector comprising a housing having a light source disposed therein, a blower adapted to facilitate a cooling of said light source, a first condenser spaced from said light source, a projector head disposed externally of said housing and having a bifocal lens system therein and adapted to receive the light rays of said first condenser and a second condenser disposed in said housing and such that the light rays of said first condenser are received from the light source through said second condenser.

CLASS 182A.

136918.

## DEVICE FOR EXTRACTION OF PLANTS CONTAINING SUGAR.

BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT, OF 3300 BRAUNSCHWEIG, AM ALten BAHNOF 5, FEDERAL REPUBLIC OF GERMANY.

Application No. 73/Cal/73 filed January 10, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

Device for extraction of plant products containing sugar such as sugar cane where a lying container at one end is equipped with an intake opening for the plant products as well as with an outlet opening for the extraction liquid and at the other end it is equipped with an intake opening for the extraction liquid as well as with an outlet opening for the extracted plant product, and inside the container there are rotating conveying devices in order to direct the plants and the extraction liquid in counterflow characterized in that the container is constructed cylindrically and divided by vertical partitions being in perpendicular position to the cylinder axle into a certain number of chambers succeeding in axle direction, in that a driven shaft is running through all chambers concentrically to the cylinder axle, a lifting wheel with carriers forming cells is mounted on top of the shaft in each chamber, in that in the upper section of each partition a delivery chute is running from one chamber to the neighbouring chamber towards the final outlet opening for extracted matters and in that neighbouring chambers are connected by tubes outside the container, of which each runs from a liquid outlet opening in the bottom section of a chamber to a liquid intake opening at the envisaged liquid level towards the outlet opening for the extraction liquid of a neighbouring chamber.

CLASS 49E+51C.

136919.

## IMPROVEMENTS IN OR RELATING TO HALF-BOILED EGG OPENERS.

DR. SIO PWAY KHEE, OF 1A, S.N. BANNERJEE ROAD, CALCUTTA-13, WEST BENGAL, INDIA.

Application No. 1352/Cal/73 filed June 8, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

An improved half-boiled egg opener which has, in combination, (i) two parts comprising a lower half and an upper half, the said lower half serving as a container for holding the half-boiled egg, and the said upper half serving as a means for tightening the hold of the egg opener on the egg firmly to the required extent, and (ii) a cutting blade provided on the said upper half.

CLASS 32F<sub>2</sub>b.

136920.

## PROCESS FOR THE PREPARATION OF 2,4-DIAMINO-5-BENZYL PYRIMIDINES.

THE WELLCOME FOUNDATION LIMITED, OF 183-193 EUSTON ROAD, LONDON, N.W.1, ENGLAND.

Application No. 1518/Cal/73 filed June 28, 1973.

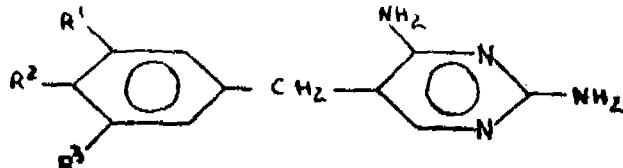
Convention date October 22, 1970 (50350/70) U.K.

Division of Application No. 133303 filed October 21, 1971.

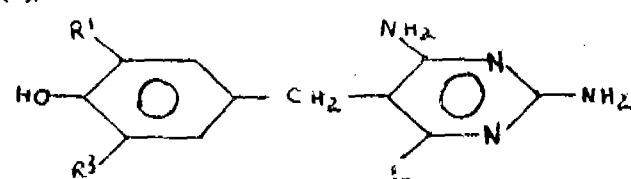
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A method of preparing a 2,4-diamino-5-benzylpyrimidine of formula (I).



wherein R<sub>1</sub> and R<sub>2</sub> are the same or different alkyl groups each having from 2 to 4 carbon atoms and wherein R<sub>3</sub> is an alkyl or alkoxy group having from 1 to 12 carbon atoms which comprises; reacting a compound of formula (II).



wherein R<sub>1</sub> and R<sub>2</sub> are as defined above and wherein I. is a hydrogen atom or an alkylthio or aralkylthio, such as thibenzylic, group having up to 12 carbon atoms with an alkylating agent of formula R<sub>2</sub>Q, wherein R<sub>2</sub> is an appropriate alkyl group and wherein Q is a reactive atom or group, and then, in the case where L is a alkylthio or aralkylthio group removing said group by hydrogenolysis, to form a compound of formula (I) shown in the drawings wherein R<sub>2</sub> is an alkoxy group.

CLASS 55D.

136921.

## PROCESS FOR PRODUCING PESTICIDE.

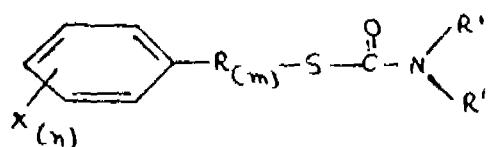
BASF AKTIENGESELLSCHAFT, OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1902/Cal/73, filed August 17, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

A process for producing a pesticide wherein an active ingredient selected from the group of organophosphorus compounds and chlorinated hydrocarbons is mixed with a thiol carbamate of the formula.



where X denotes alkyl, alkoxy, or halogen, n denotes one of the integer 0, 1 and 2, m denotes one of the integer 0 and 1, R denotes one of the radicals  $-\text{CH}_2-$ ,  $-\text{C}_2\text{H}_4-$ ,  $-\text{CH}_3$  and  $-\text{C}_2\text{H}_5-$ , and R' and R'' are

$-\text{CH}_2-$ , identical or different and each denotes alkyl, cycloalkyl, alkenyl, or alkynyl, or R' and R'', together with the nitrogen atom whose substituents they are, denote a saturated heterocyclic ring which may be substituted by one or more alkyl radicals, wherein the ratio of the active ingredients and thiol carbamates varies between 10:1 to 1:10 parts by weight.

CLASS 194C.

136922.

MULTI-BEAM CATHODE RAY TUBE CONSTRUCTION.

DR. ADRAIN WILLIAM STANDAART, OF 5 BON-BROOK CIRCLE, WINSTON SALEM, NORTH CAROLINA, UNITED STATES OF AMERICA.

Application No. 2471/Cal/74 filed November 8, 1974.

Division of Application No. 1190/72 filed August 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A multi-beam cathode ray tube construction for producing a matrix display pattern from plural electron beams arranged in plural rows and plural columns to generate display images of alpha-numeric characters formed from spot elements of the matrix pattern, comprising a glass envelope including an elongated generally cylindrical neck section and a face plate section joined thereto having a phosphor target a single electron gun within the rear region of said neck section including a cathode for emitting electrons beam control and shaping perforated electrodes having plural rows of plural holes for controlling and shaping the electrons emitted by said cathode into plural rows of plural beams to form the matrix pattern; and an accelerating anode for accelerating the electrons in said beams toward the target to form a spot image on the target for each of the beams, said anode means including a gradient field helical anode and means applying to said helical anode a negative potential with respect to zero voltage throughout its extent, biasing said helical anode throughout at a negative voltage and providing a potential gradient progressing axially of the neck section from a maximum negative voltage nearer the cathode to a selectively lower negative voltage near the target to eliminate beam divergence from repulsion of like charges of the beams.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8 Hastings Street, Calcutta at two rupees per copy:—

97847 99646 101933 102570 102675 102837 102991 103578  
 103597 103670 103843 104080 104120 104149 104192 104231  
 104265 104293 104302 104306 104394 104414 104417 104455  
 104471 104526 104530 104565 104792 104978 105007 105411  
 105508 105850 105903 105907 105987 106145 106303 106380  
 106383 106411 106463 106519 106520 106573 106673 106817  
 107184 107192 107264 107706 107797 107894 107910 107926  
 107960 108149 108168 108175 108528 108615 108738 108762  
 108843 108878 109323 109327 109599 110142 110237 110337

(2)

80953 127808 127868 128328 128716 128763 129263 129419  
 129480 129481 129483 129559 129560 129600 129628 129633  
 129723 129792 129931 129935 130167 130248 130560 130605  
 130924 131132 131141 131194 131266 131486 131917 132075  
 132157 132190 132261 132481 132501 132576 132971 133359  
 133451 133454 134369 134548 134785 135355 135356.

(3)

132560.

(4)

130314 130431 130775 131369 131741 131762 131979 132135  
 132232 132437 132784 133001 133206 134552.

(5)

120204 120633 120669 121464 121771 121772 121849 121863  
 121867 121935 122024 122071 122153 122337 122359 122438  
 122513 122698 122908 123028 123261 123354 123491 123510  
 123892 123896 123899 124144 124204 124278 124346 124347  
 124394 124443 124504 124625 124708 124731 125051 125128  
 125272 125602.

## PATENTS SEALED

77127 94802 101713 101855 103026 103372 104368 104637  
 105980 106264 106362 108998 109077 110639 113276 116100  
 116285 117079 117339 120068 122377 122574 122794 126557  
 127347 127348 132278 132424 132498 133260 133291 133416  
 133539 133554 133633 133656 133659 133748 133766 133791  
 133848 133882 133893 133903 133909 133987 134079 134265  
 134285 134355 134444 134549 134567 134569 134653 134662  
 134734 134743 134747 134781 135151 135765 135801 135804  
 135813 135827 135829 135832 135901 135909.

## AMENDMENT PROCEEDINGS UNDER SECTION 57.

(1)

Notice is hereby given that Ivo Mavrovic, a citizen of the United States of America, residing at 539 East 72nd Street City, County and State of New York, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of the specification of their application for Patent No. 133328 for "Method of controlling urea system". The amendments are by way of explanation, correction and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filling the notice.

(2)

Notice is hereby given that Cassella Farbwerke Mainkur Aktiengesellschaft, of Hanauer Landstrasse 526, 6 Frankfurt (Main)-Fechenheim, West Germany, a Body Corporate organised under the laws of Germany, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 136189 for "Process for the production of derivatives of 1-phenoxy-3-amino-propan-2-ol". The amendment are way of correction of the specification on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filling the notice.

(3)

The amendments proposed by Smith Kline & French Laboratories in respect of Patent Application No. 108188 as advertised in Part III, Section 2 of the Gazette of India dated the 26th October 1975 have been allowed.

(4)

The amendments proposed by Smith Kline & French Laboratories in respect of patent application No. 109500 as advertised in Part III, Section 2 of the Gazette of India dated the 26th October 1975 have been allowed.

(5)

The amendments proposed by E. I. du Pont de Nemours and Company in respect of Patent Application No. 131302 as advertised in Part III, Section 2 of the Gazette of India dated the 26th October 1974 have been allowed.

The amendments proposed by Imperial Chemical Industries Limited in respect of Patent Application No. 134517 as advertised in Part III, Section 2 of the Gazette of India dated the 26th October 1975 have been allowed.

## (6)

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.  
(PATENTS).

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

99371. . . M/s. Shining Industries.  
101613. . . Asturiana De Zinc S.A.  
104556. . . M/s. Universal Oil Products Company.  
113819. . . Vicon N. V.  
122467. . . M/s. Inter Consumer Goods AG.  
122467. . . M/s. Tala - Finlay Limited.  
122467. . . M/s. Finlip Products Limited.

PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
125839 (21-3-70)	Production of high octane motor fuel.
125840 (21-3-70)	Process for regenerating coke-deactivated catalyst.
125875 (24-3-70)	Process for the preparation of stilbene derivatives.
125887 (25-3-70)	A process for the preparation of clay-thickened grease.
125888 (25-3-70)	Herbicidal compositions.
125975 (30-3-70)	Separation process for olefinic oligomerization and aromatic alkylation.
126797 (25-5-70)	A process for preparing a composition suitable for use as a denture adhesive.
127038 (11-6-70)	CO-precipitation-strengthened nickel base alloys and method for producing same.
127454 (8-7-70)	Method for the conversion of hydrocarbons in the presence of hydrogen.
127929 (7-8-70)	Polymerization process.
128033 (14-8-70)	Improvements in viscosity reduction of ethylene glycol-terephthalic acid mixtures at high temperature.

## RENEWAL FEES PAID

70865	70959	71149	71154	71293	71300	71574	71954	72784
75252	75329	75580	75662	75663	75738	75778	75791	75831
75844	75884	75910	75969	75981	76031	76101	76917	79220
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114597	114751	114776	114790	114803	114814	114857	114871	
114873	114920	114962	114966	115050	115053	115055	115107	

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115426	117386	119368	119406	119461	119933	119992	120002
120007	120113	120115	120117	120147	120148	120149	120166
120171	120188	120204	120207	120216	120240	120260	120267
120270	120291	120305	120308	120326	120352	120362	120376
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120826	120953	120965	120979	121046	121047	121489	121849
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125662	125686	125720	125721	125722	125724	125749	125768
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134146	134181	134297	134385	134386	134597	134640	134669
134693	134731	134765	134782	134823	134824	134825	134827
134840	134865	134871	134991	135000	135018	135039	135057
135063	135084	135106	135107	135314	135603	135624	135661
135664	135678	135685	135716	135745	135776	135816.	

## RESTORATION PROCEEDINGS

## (1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 122745 granted to Feldmuhle Aktiengesellschaft for an invention relating to "Process for the production of agglomerating of fibre material." The patent ceased on the 13th August, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 25th January, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May, 1975 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 130847 granted to Rajendra Kumar Kedia for an invention relating to "Theft prevention device".

The patent ceased on the 5th April, 1974 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Jagadish Bose Road, Calcutta-17 on or before the 29th May, 1975 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. Nos. 142002, 142003, 142004 & 142005. Dodla Prabhakara Reddy and Dodla Sudhakar Reddy. of M/s. Associated Marketing Agencies. Bharat Buildings, 2/18 Mount Road, Madras-600 002, Tamil Nadu, Indian Nationals. Electric table lamps. July 2, 1974.

Class 1. No. 142202. Crompton Greeves Limited, at Kanjur, Bhandup, Bombay-400078, Maharashtra. A company registered under the Companies Act, 1956. Ceiling Fan. September 2, 1974.

Class 1. No. 142400. Govindbhai Gordhanbhai Patel, of Nigo's Niketan, Patel Compound, 48-B, Lamington Road, (North), Bombay-8, State of Maharashtra, India. An Indian. A burner. November 4, 1974.

Class 3. Nos. 142006, 142007, 142008 & 142009. Dodla Prabhakara Reddy and Dodla Sudhakar Reddy. of M/s. Associated Marketing Agencies, Bharat Buildings, 2/18, Mount Road, Madras-600 002,

Tamil Nadu, India. Indian Nationals. Electric table lamps. July 2, 1974.

Class 3. Nos. 142046, 142047, 142048, 142050, 142051, 142052, 142054, 142055, 142056, 142057, 142058, 142059, 142060, 142061, 142062, 142063, 142064 & 142065. Mona Toys Industries, of D-34, Rajouri Gardens, New Delhi-27, India. A partnership firm. All Indian Nationals. Tovs. July 19, 1974.

Class 3. No. 142267. Indra Industries. Aji Audyogik, Vasahat, Plot No. 834, Bhavnagar Road, Rajkot, Gujarat, India. An Indian Partnership firm. Wall Clock. September 24, 1974.

Class 3. No. 142399. Gangadhar Shanker Mundkur, of 37, -B, Southern Avenue, Calcutta-700 029. State of West Bengal, India. An Indian. A hand bulb suction unit. November 4, 1974.

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Design No. 123986, 124557..... Class 3.

S. VEDARAMAN,  
Controller-General of Patents, Designs  
and Trade Marks.